

ROUTE FAP310 (US67) DESCRIPTION US 67 OVER GRINDSTONE CREEK NORTH EDGE OF INDUSTRY LOGGED BY K.J.L.  
 SECTION (41A) BR-1 LOCATION SE 1/4 NW 1/4 SEC. 15 TWP. 4N. RNG. 2W  
 COUNTY MC DONOUGH DRILLING METHOD HMS HAMMER TYPE AUTO

STRUCT. NO. (EXISTING) Station 454+25 (PROP) 454+15 (EXIST)	BORING NO. 1 Station 454+81	Offset 12.50R LT of CL Ground Surface Elev. 612.54	D	B	U	M	Surface Water Elev. 586.46 ft				D	B	U	M
							(ft)	(ft)	(ft)	(ft)				
							Stream Bed Elev. _____ ft							
							Groundwater Elev. _____ ft							
							First Encounter _____ ft							
							Upon Completion _____ ft							
							After 24 Hrs. NOT TAKEN _____ ft							
							Brown SILTY CLAY LOAM w/ sand & gravel w/ 6" sand seam @ the bottom (continued)							
							587.54							
							Brown & Gray SILTY CLAY LOAM w/ sand & gravel							
							585.54							
							Brown SILTY CLAY LOAM w/ sand & gravel							
							582.54							
							w/ trace of sand @ 9.5'-11' (2.90m-3.35m)							
							580.54							
							Brown & Gray CLAY LOAM w/ sand & gravel w/ 5" sand seam @ the bottom							
							578.54							
							w/ small sand @ 15.8' (4.82m)							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

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STRUCT. NO. (EXISTING) Station 454+25 (PROP) 454+15 (EXIST)	BORING NO. 2 Station 453+69	Offset 11.00R RT of CL Ground Surface Elev. 588.76	D	B	U	M	Surface Water Elev. 586.46 ft				D	B	U	M
							(ft)	(ft)	(ft)	(ft)				
							Stream Bed Elev. _____ ft							
							Groundwater Elev. _____ ft							
							First Encounter _____ ft							
							Upon Completion _____ ft							
							After 24 Hrs. NOT TAKEN _____ ft							
							Brown SILTY CLAY LOAM							
							587.76							
							Light Gray / Light Brown SANDY CLAY LOAM							
							584.76							
							Gray CLAY LOAM w/ sand & gravel							
							582.26							
							Light Brown SILTY CLAY							
							580.26							
							w/ trace of sand @ 9'-11.5' (2.74m-3.51m)							
							577.26							
							Light Brown SILTY CLAY LOAM							
							596.26							
							Dark Gray SILTY CLAY w/ organics							
							594.76							
							Dark Gray SILTY CLAY LOAM w/ fine sand							
							582.76							
							w/ small sand seam @ 36.9'-39' (11.15m-11.89m)							
							579.76							
							w/ 1" sand seam @ 18.5' (5.54m)							

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							(ft)	(ft)	(ft)	(ft)				
							Stream Bed Elev. _____ ft							
							Groundwater Elev. _____ ft							
							First Encounter _____ ft							
							Upon Completion _____ ft							
							After 24 Hrs. NOT TAKEN _____ ft							
							Medium Gray CLAY LOAM w/ sand & gravel (continued)							
							589.04							
							Gray CLAY LOAM w/ sand & gravel w/ 6" silt seam @ 44.5'-47' (13.56m-14.31m)							
							588.04							
							Brown / Gray / Light Gray CLAY LOAM w/ sand & gravel							
							580.54							
							w/ medium to coarse sand seam @ 94'-55.5' (16.46m-17.22m)							
							530.76							

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 COUNTY MC DONOUGH DRILLING METHOD HMS HAMMER TYPE AUTO

STRUCT. NO. (EXISTING) Station 454+25 (PROP) 454+15 (EXIST)	BORING NO. 2 Station 453+69	Offset 11.00R RT of CL Ground Surface Elev. 588.76	D	B	U	M	Surface Water Elev. 586.46 ft				D	B	U	M
							(ft)	(ft)	(ft)	(ft)				
							Stream Bed Elev. _____ ft							
							Groundwater Elev. _____ ft							
							First Encounter _____ ft							
							Upon Completion _____ ft							
							After 24 Hrs. NOT TAKEN _____ ft							
							Gray CLAY LOAM w/ sand & gravel (continued)							
							547.76							
							Gray CLAY LOAM w/ sand & gravel w/ fine sand seam @ 61.75' (18.82m) w/ layer of peat @ 62.5' (19.05m)							
							542.26							
							Dark Gray CLAY LOAM w/ sand & gravel							
							539.76							
							Light Brown / Light Gray CLAY LOAM w/ sand & gravel & traces of coal Black COAL							
							537.26							
							Gray / Light Gray SHALEY CLAY on top is coal							
							554.76							
							Light Brown / Gray CLAY LOAM w/ sand & gravel w/ medium to coarse sand seam @ 94'-55.5' (16.46m-17.22m)							
							530.76							
							End of Boring							